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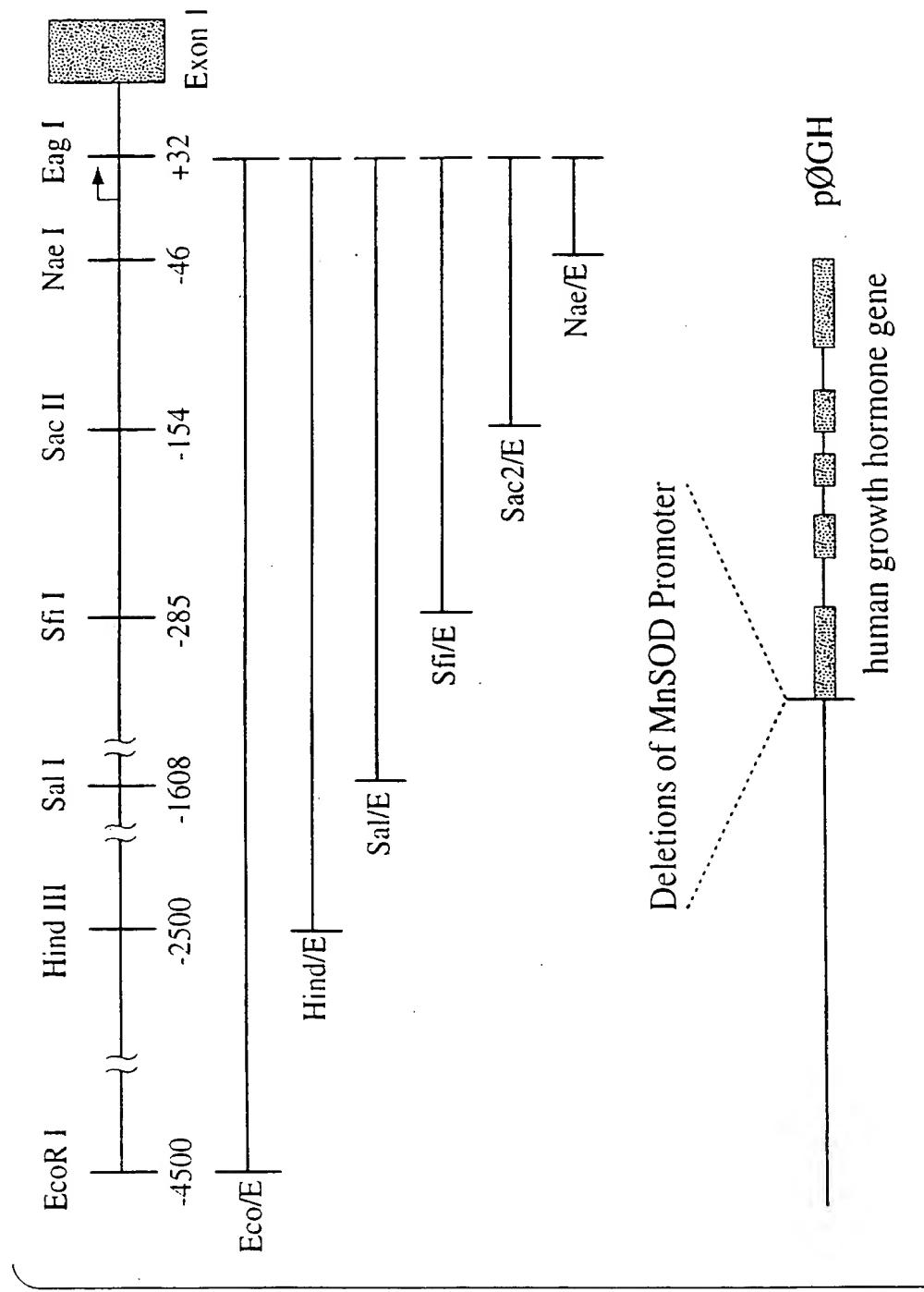


Fig. 1A

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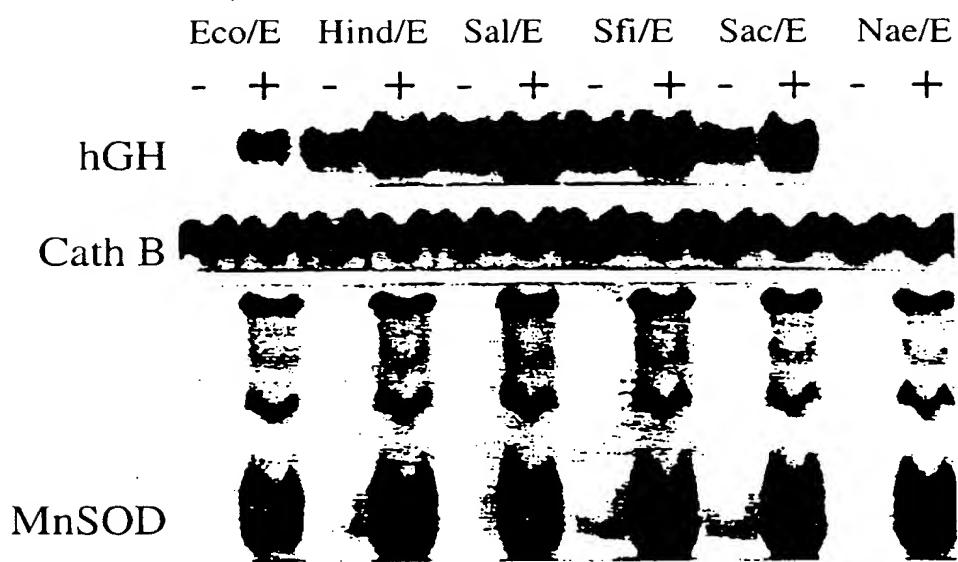


Fig. 1B

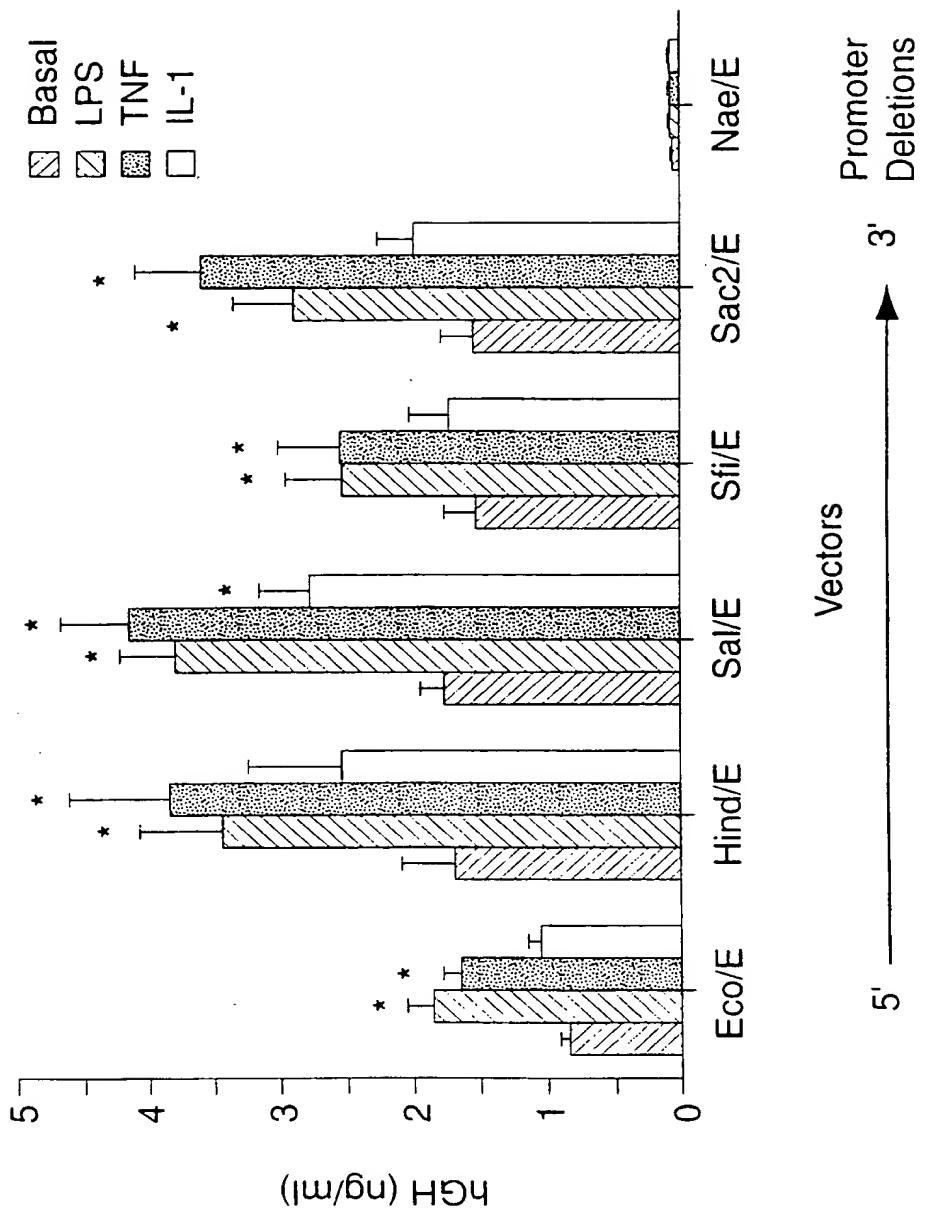


Fig. 1C

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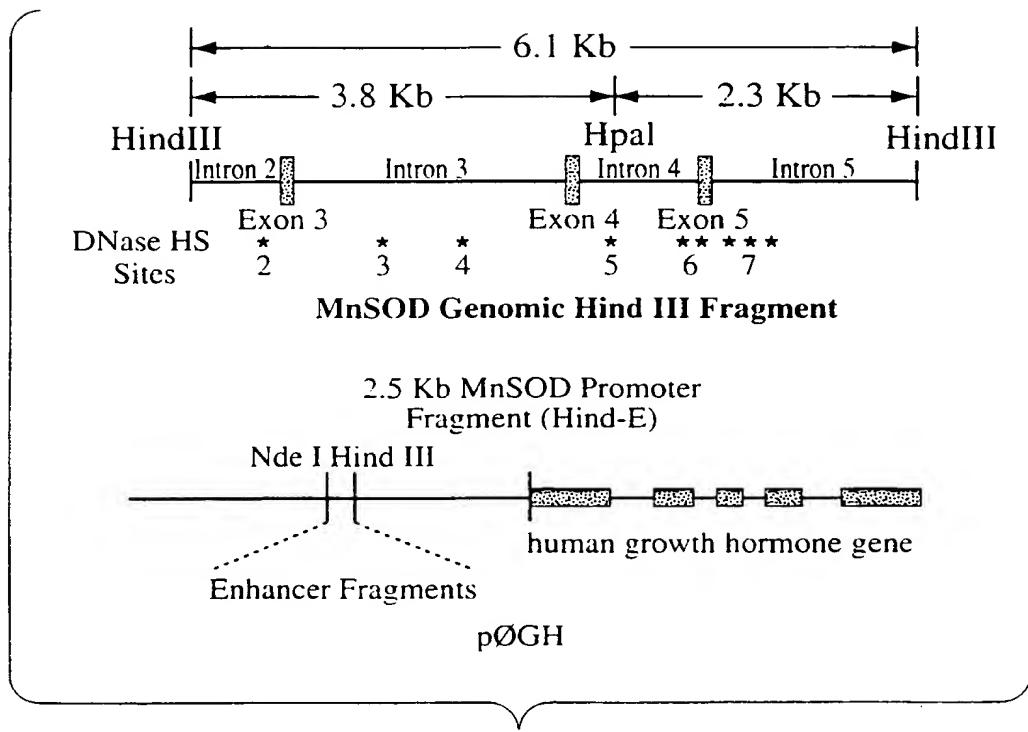


Fig. 2A

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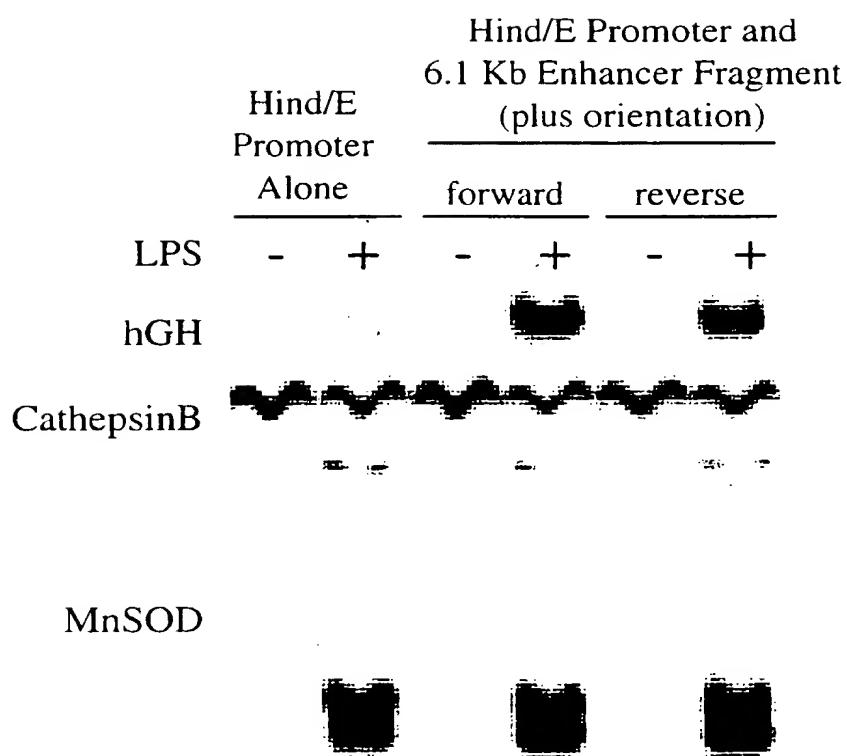


Fig. 2B

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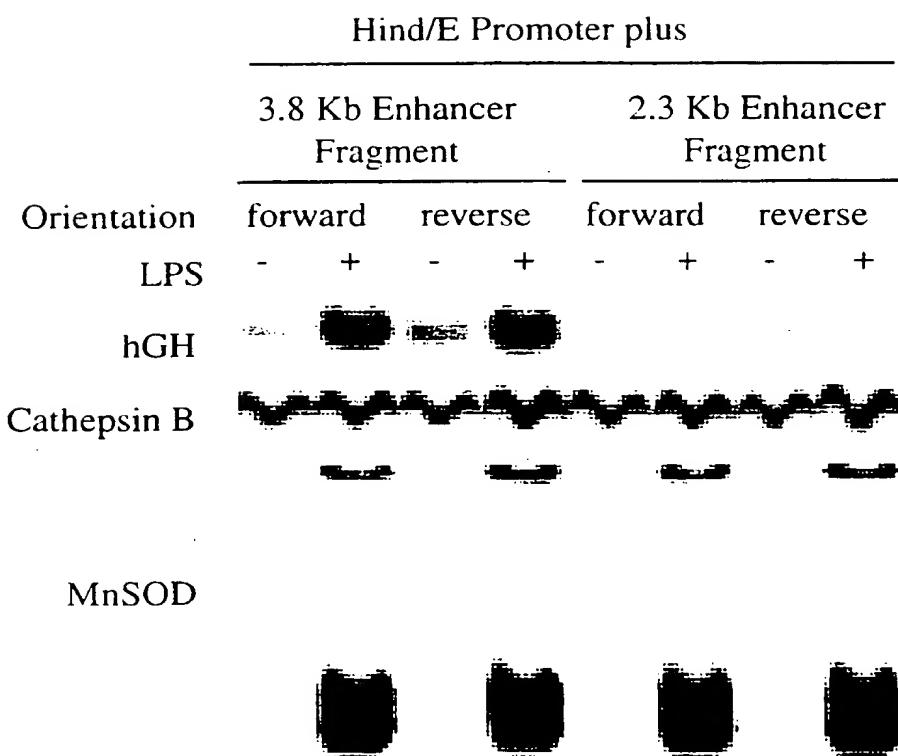


Fig. 2C

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PCT/US99/28331

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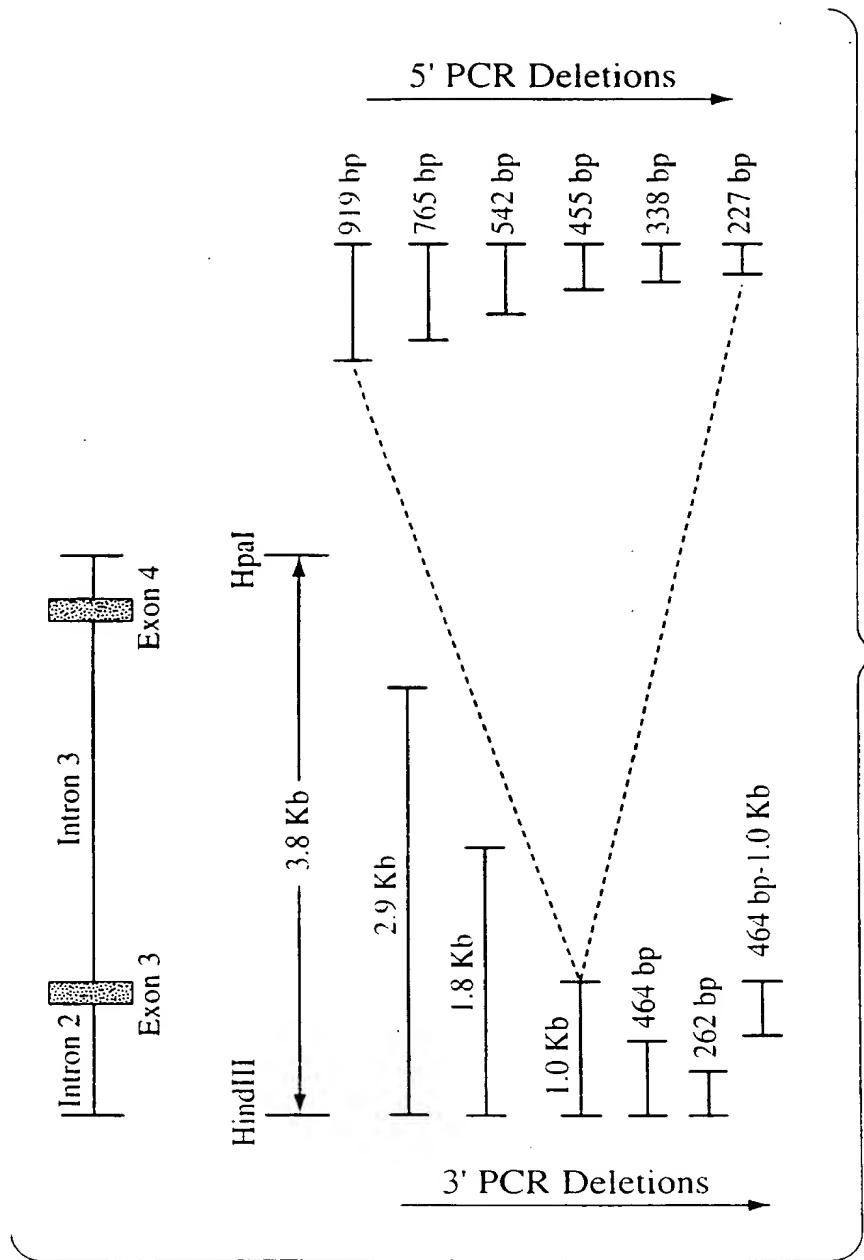


Fig. 3A

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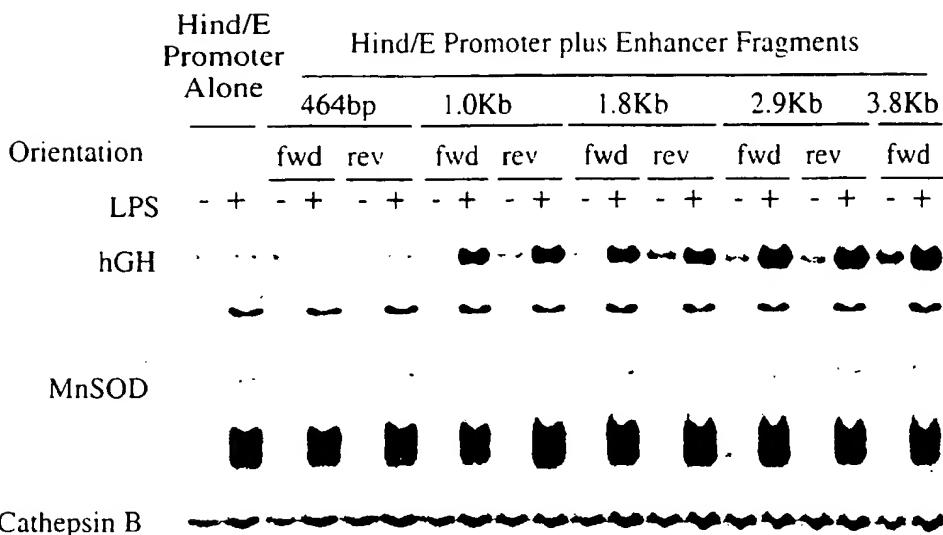


Fig. 3B

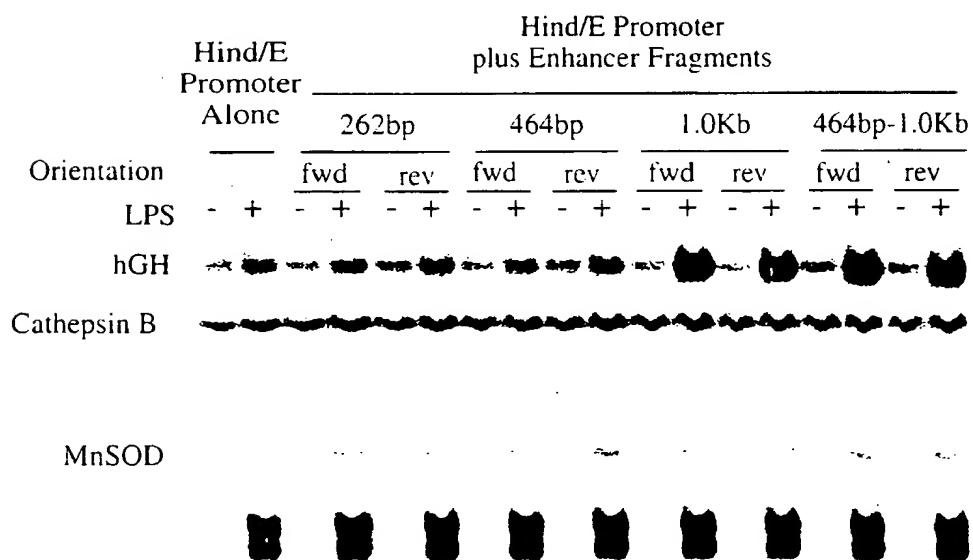


Fig. 3C

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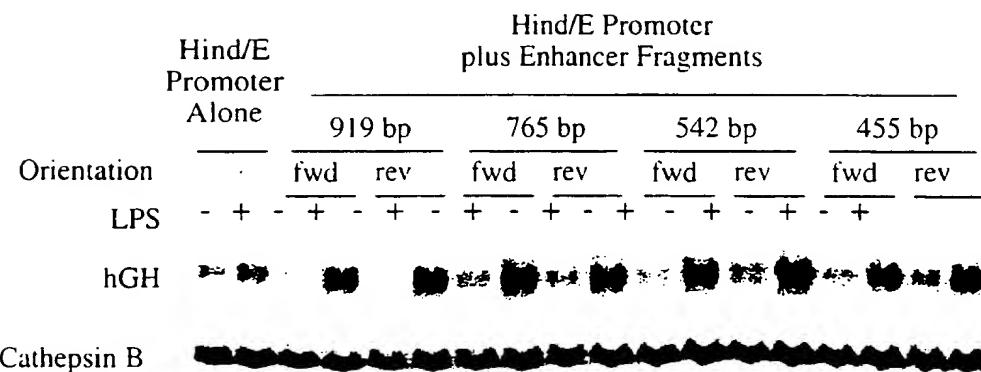


Fig. 3D

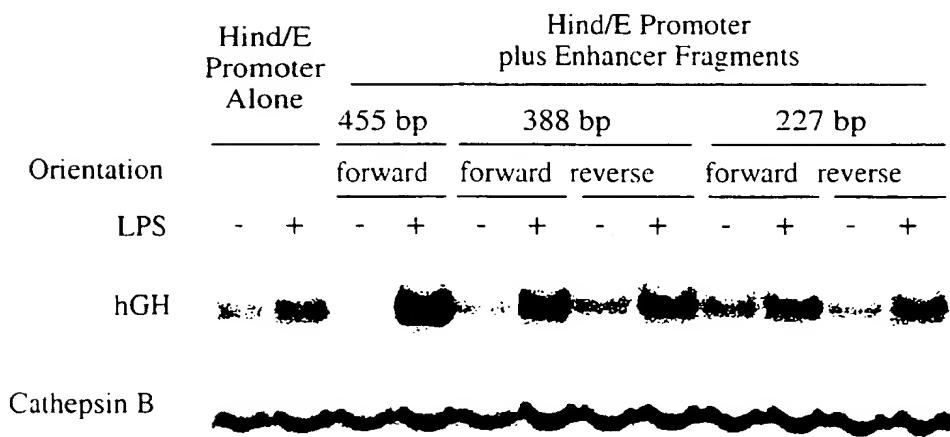


Fig. 3E

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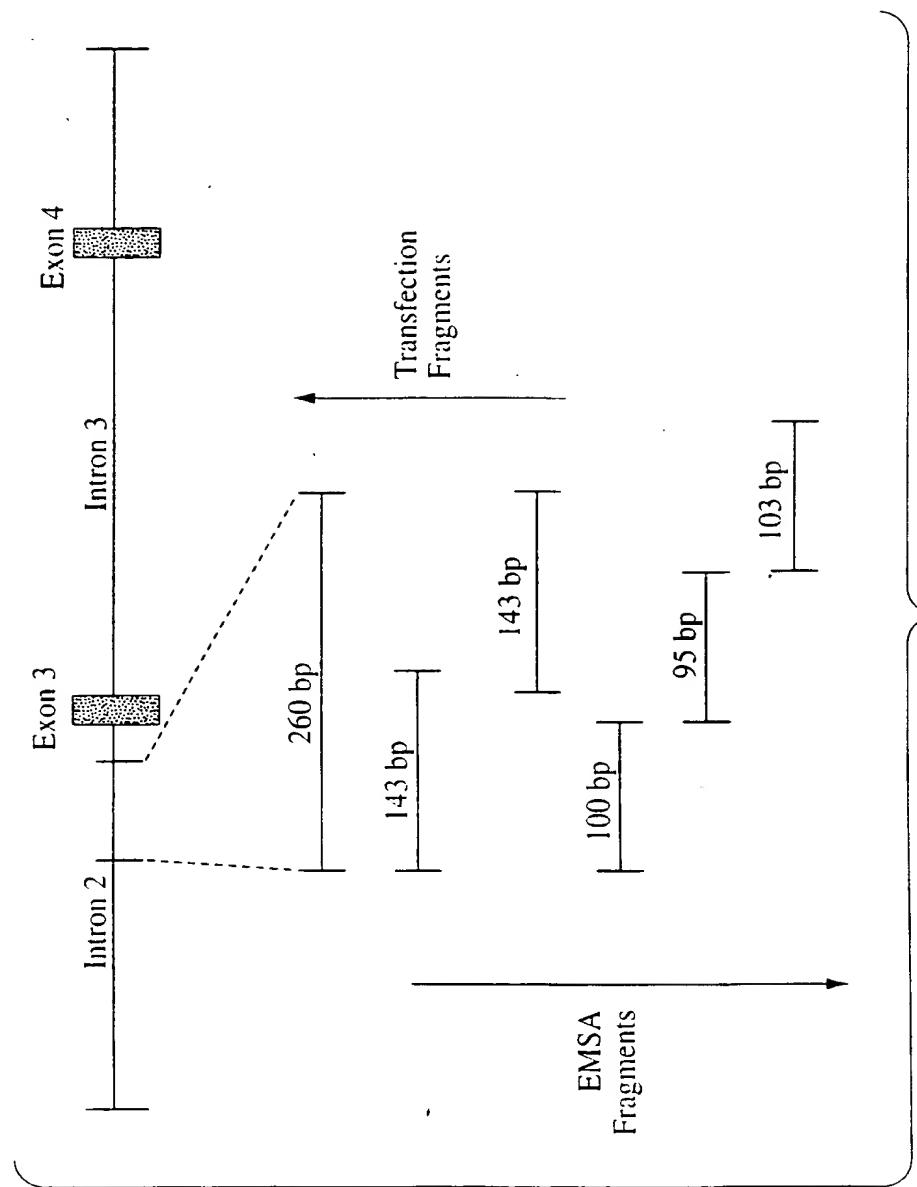


Fig. 4A

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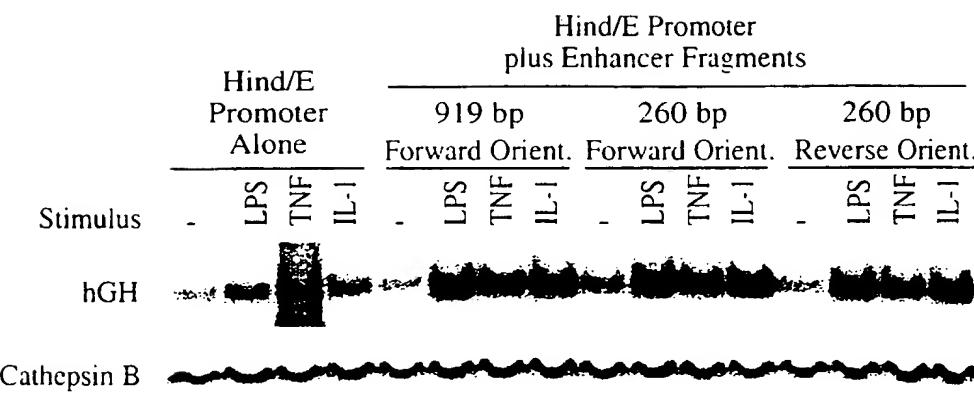


Fig. 4B

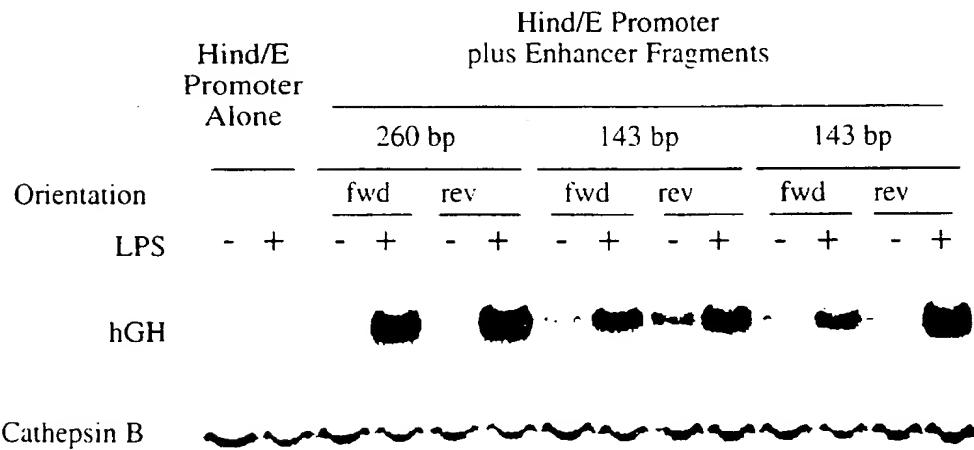


Fig. 4C

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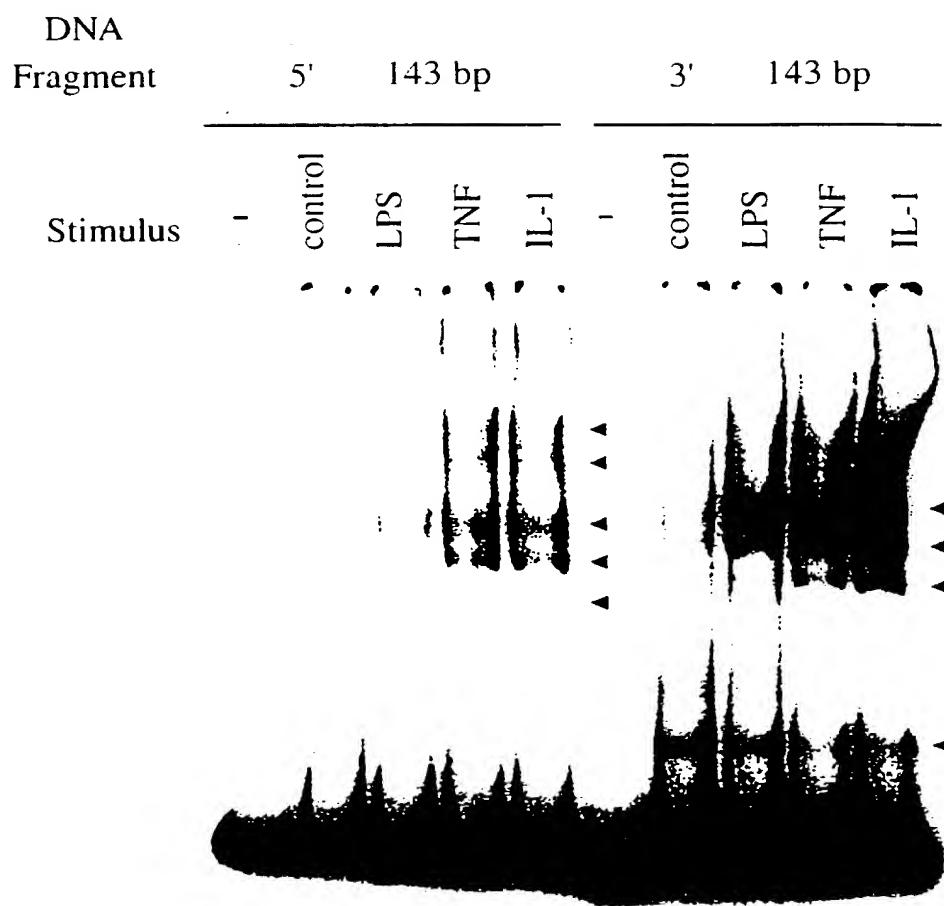


Fig. 4D

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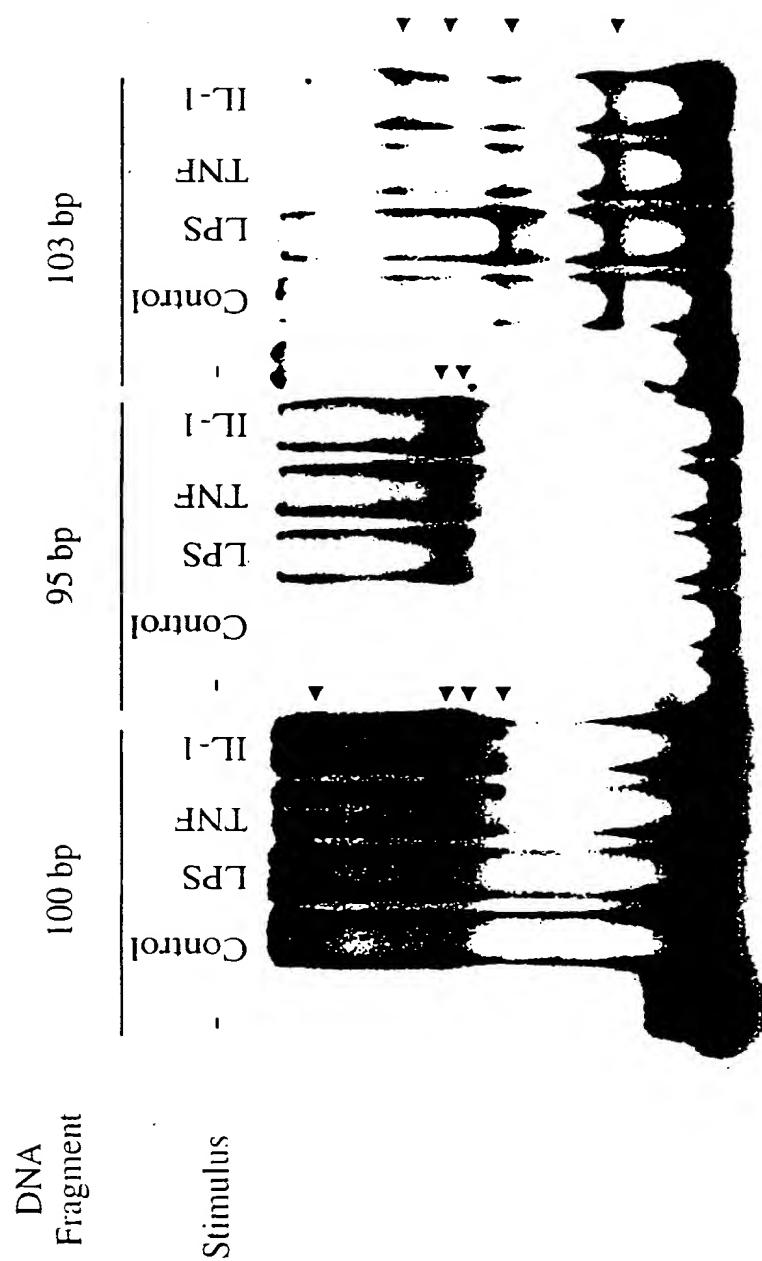


Fig. 4E

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		4231
RAT	4190	GGGGCATCTAGTGGAGAAGTGTGGTATTCTAGGATAAGTTGTGTAAGTGGCCCAACCAAGAG
HUM	2577	GAGGCATCTAGTGGAAAATGCCAGTATTCAAGCCTGATTTGTGTTGAAGTAAATGATTAAAGAG
RAT	4251	AAGGAATTACCAACATTCTGGAAATTACTTGCAATAAGCAAATCACATAATCGTGAATAACGGGAAGGAGACTC
HUM	2657	GAGGAAGTTACCAACATTCTGGAAAGATTTACTTGAGACAGACGAACCTTGAATTACGGAAAAGCCCCG
		4348
RAT	4325	TGATTAGGAATGACAGATTGGGAGGGCTGTGGTAATACTGAGTAGGGAAAAGCCCAGTTGGAAATTCG
HUM	2711	TGATTAGGAATAACAAATTGGGAAACATGTAATGGGGAGAGACTGGGAATAACCCAGTTGTGAAGTA
		4374
RAT	4397	TTCCCTCTAAGGTGACATCTGACAACCTTCCCTCTTAATGTTGTAAAAACATGGT
HUM	2783	CTTCCTGTAAGGCAACATCTGACACCCAGGAACCTTCTCTTCAGTTTTAAAA
		4491
RAT	4451	GATTCAACCCTCCGGAGACAGAGCTGTATTGTTAGTGAATGCTG
HUM	2837	ACAACTTAATTCAAGTCCTTACTTGTGGAATCAGGCCCTACTTATGTAA

Fig. 5

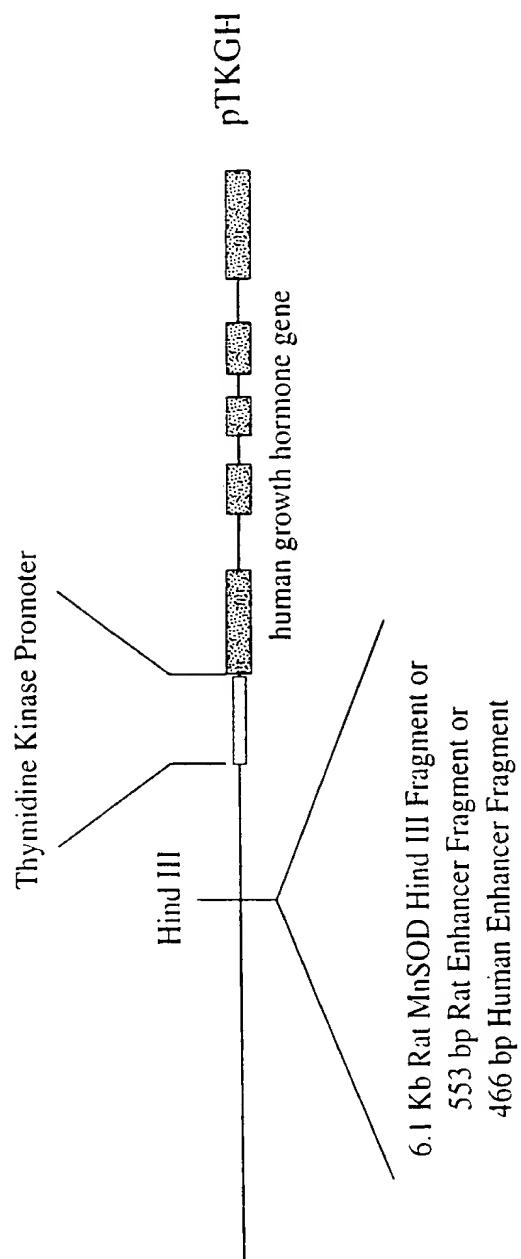


Fig. 6A

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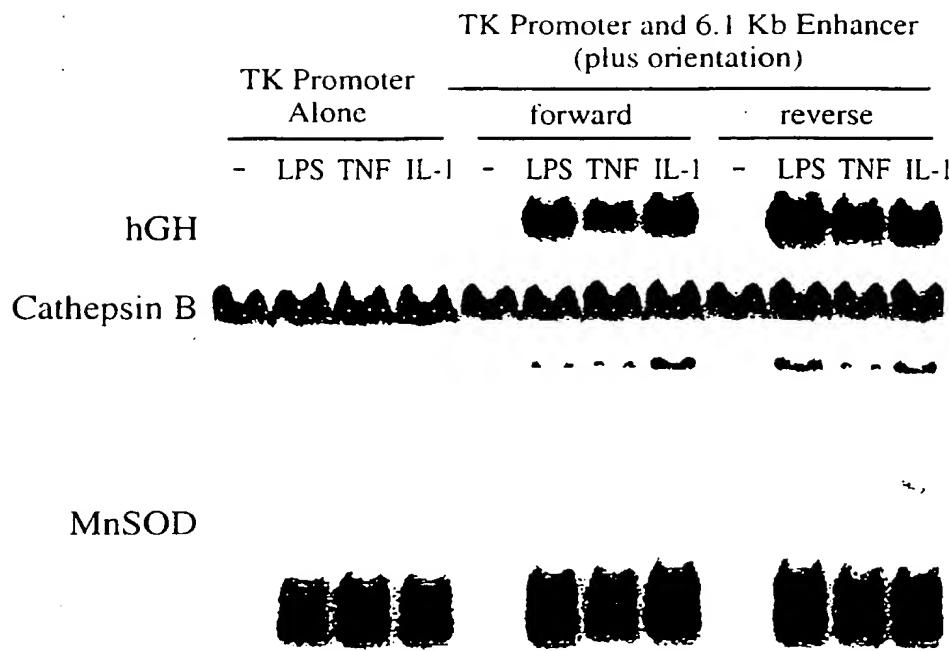


Fig. 6B

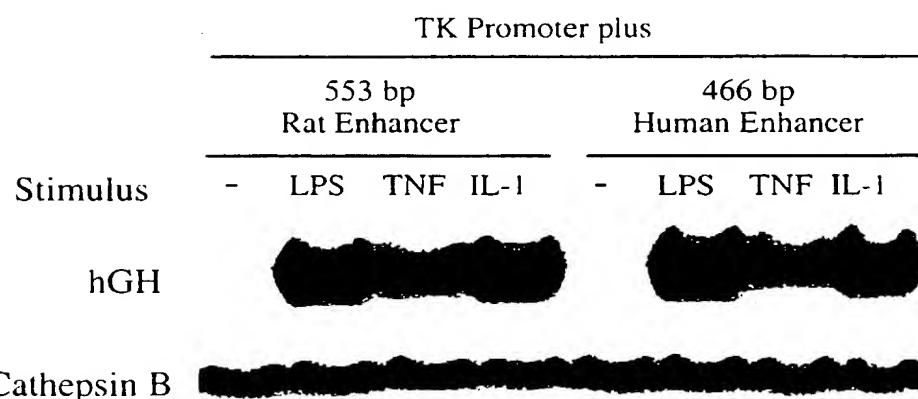


Fig. 6C

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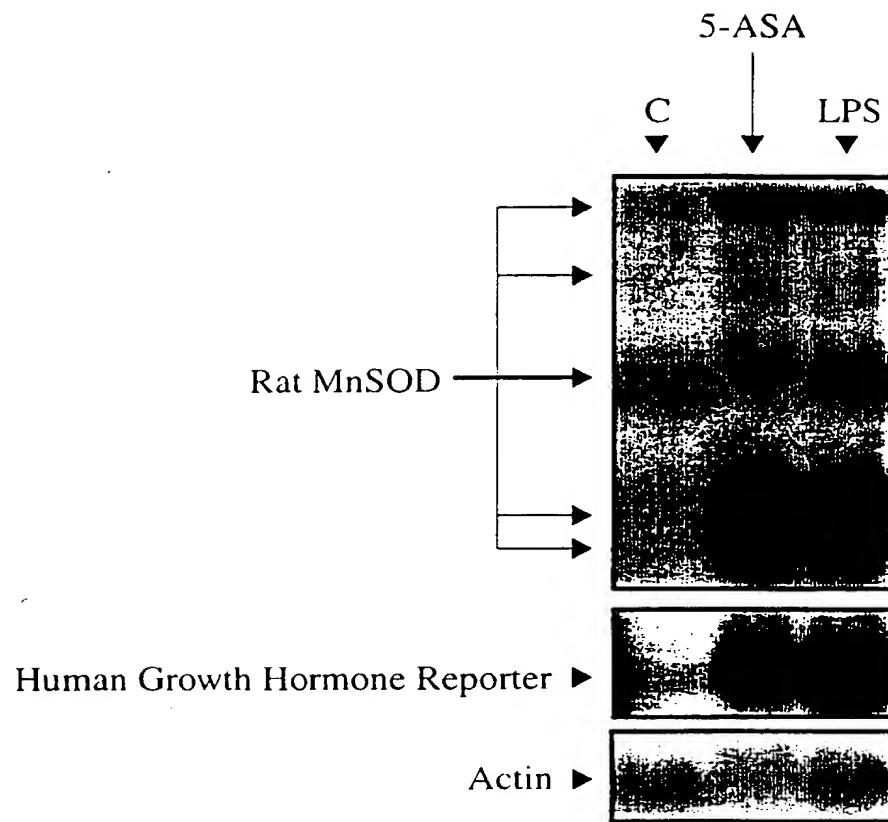


Fig. 7

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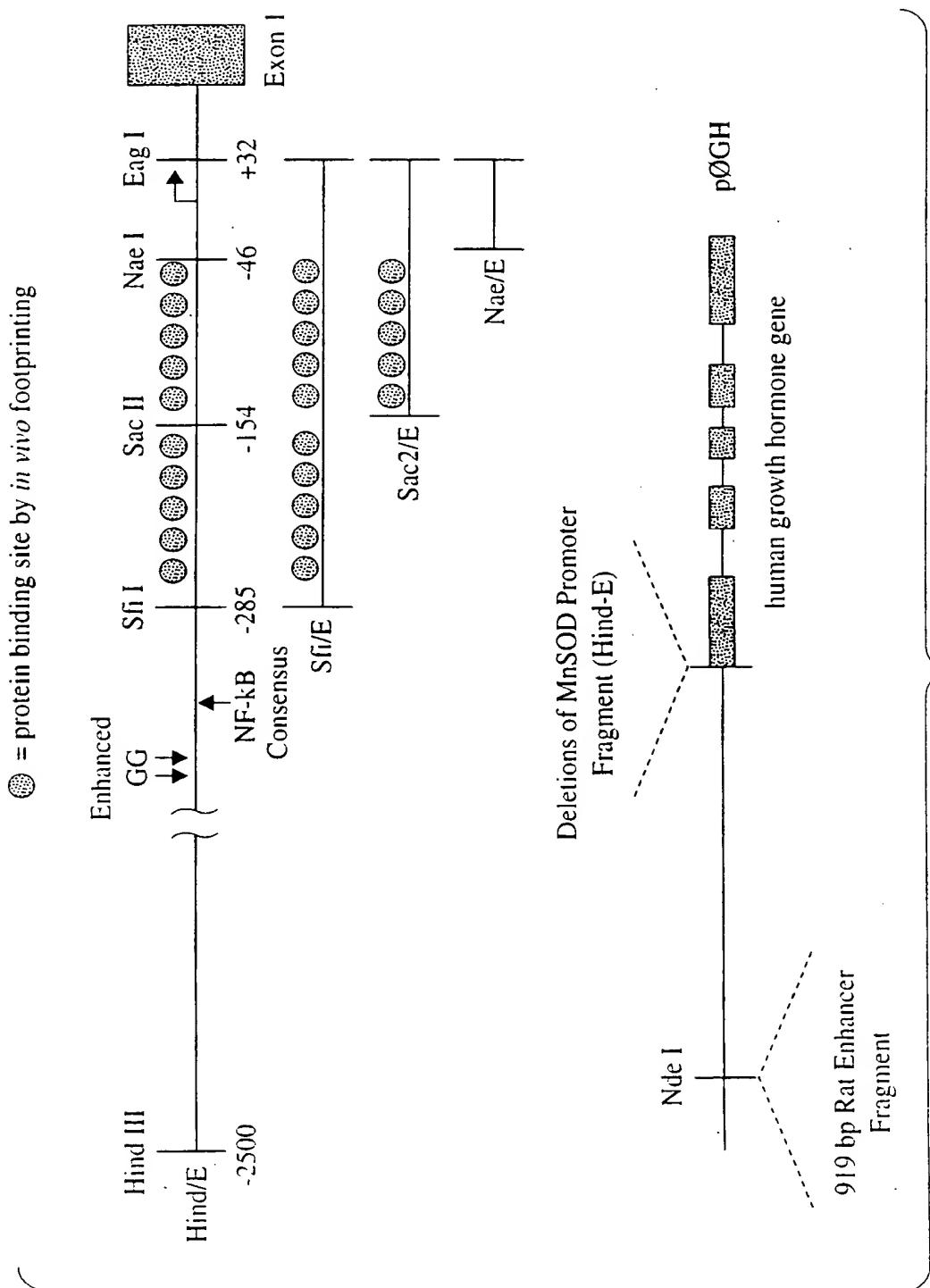


Fig. 8A

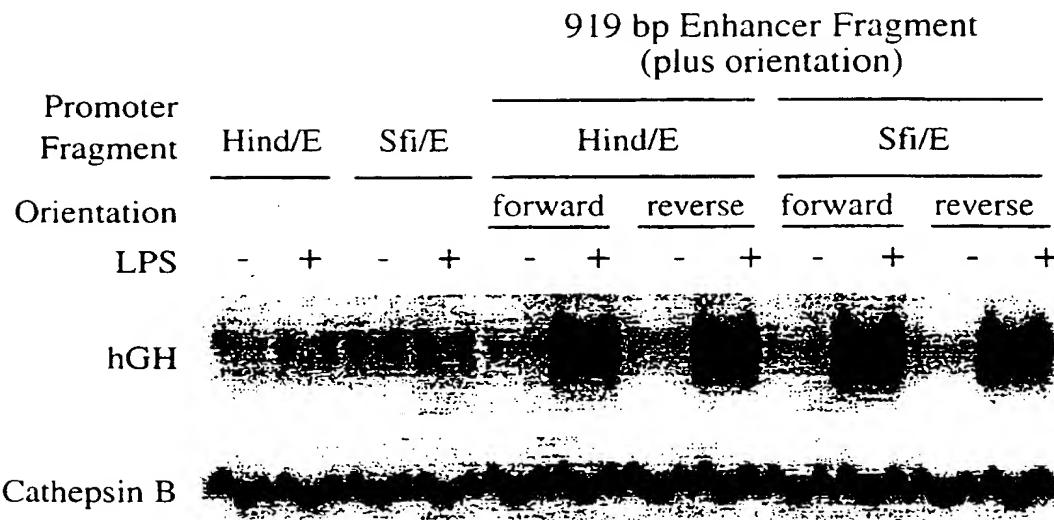


Fig. 8B

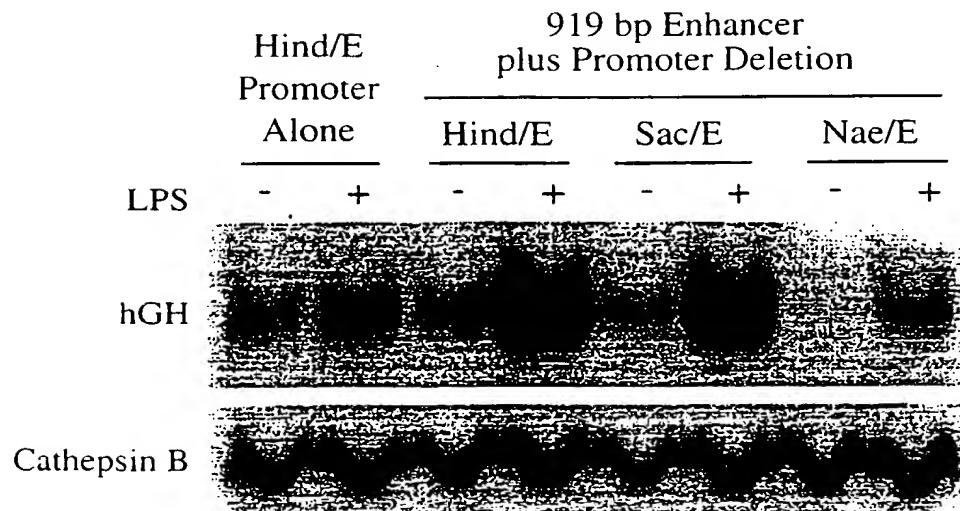


Fig. 8C

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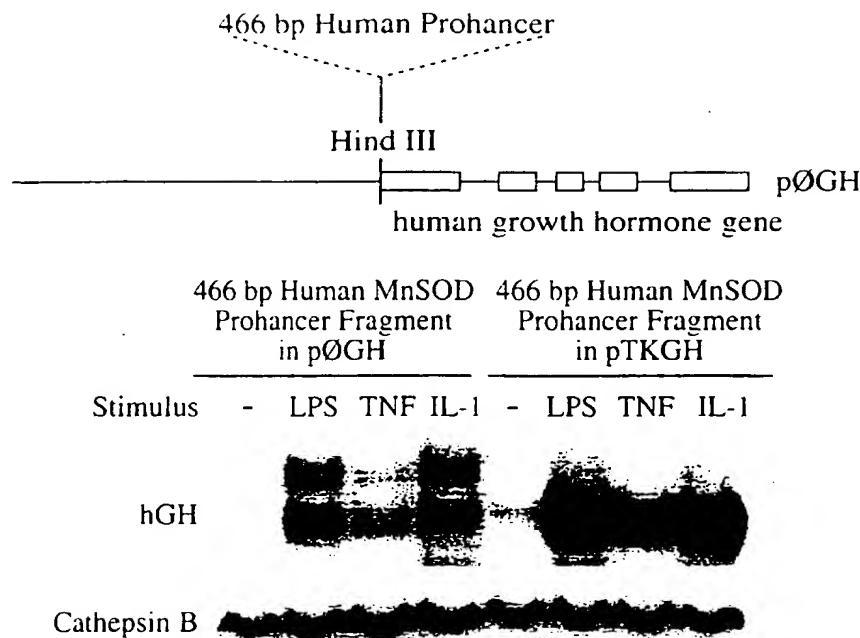


Fig. 9A

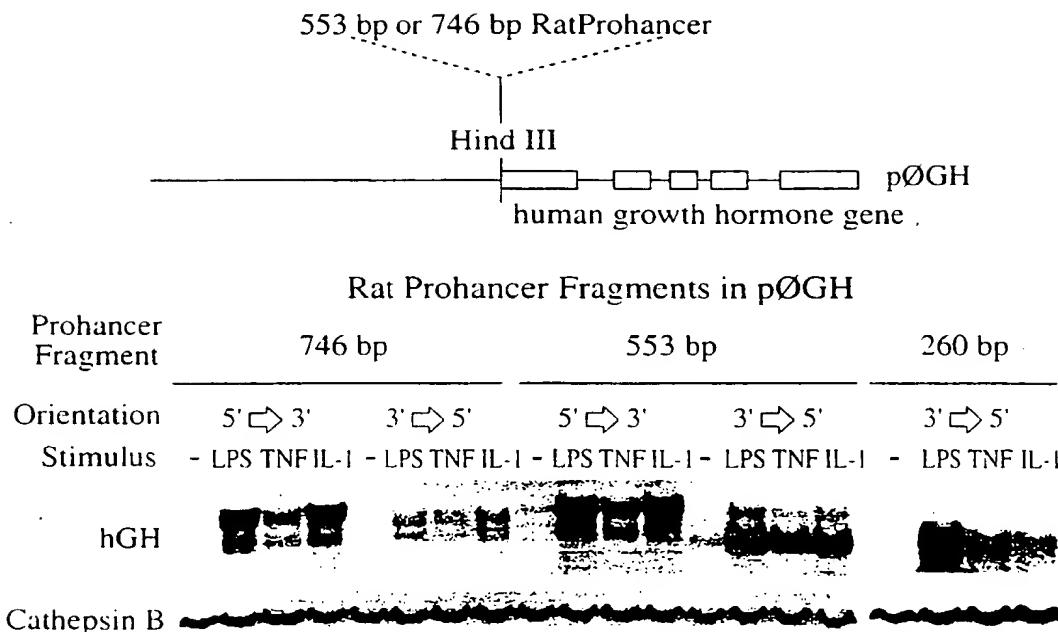
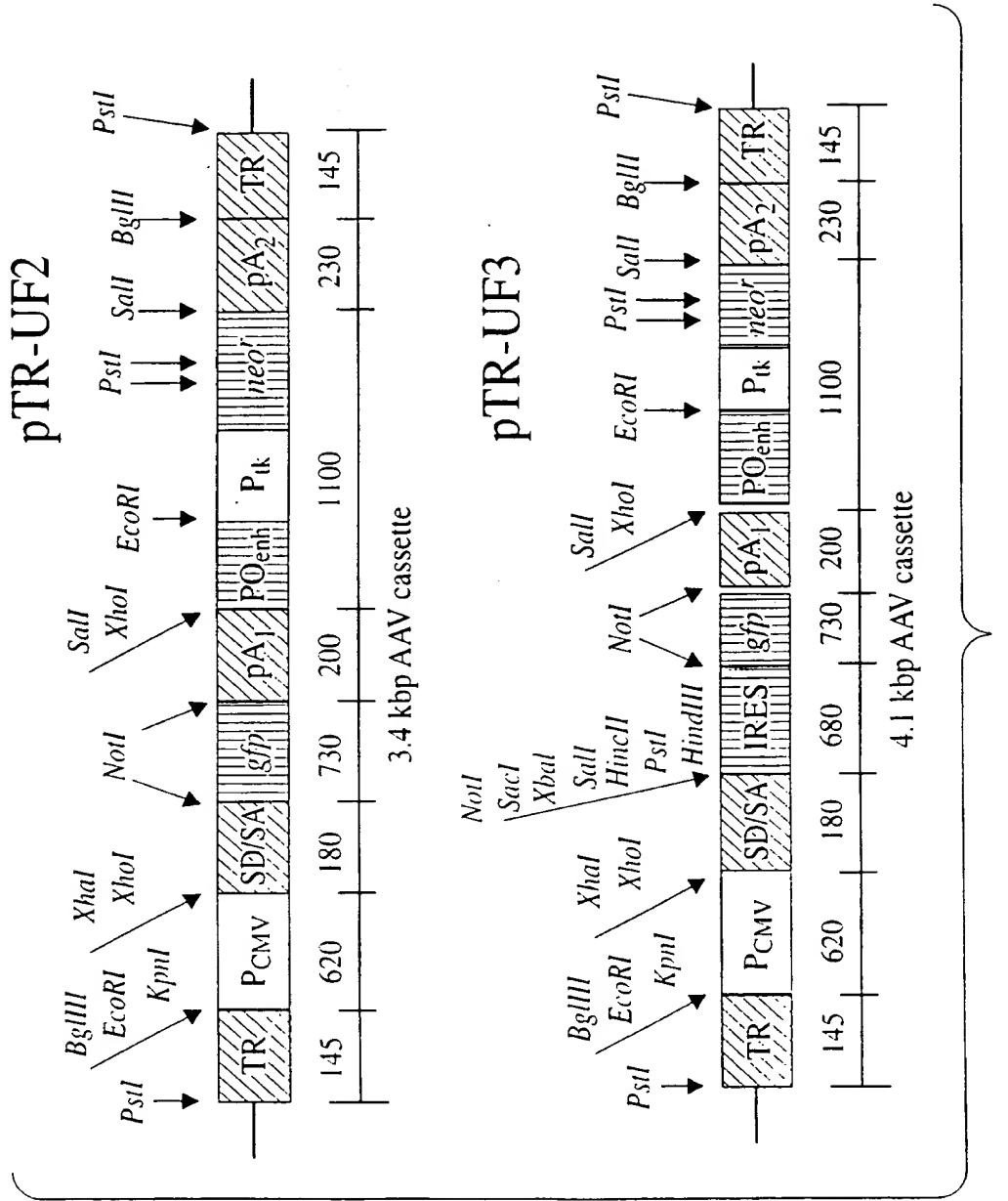
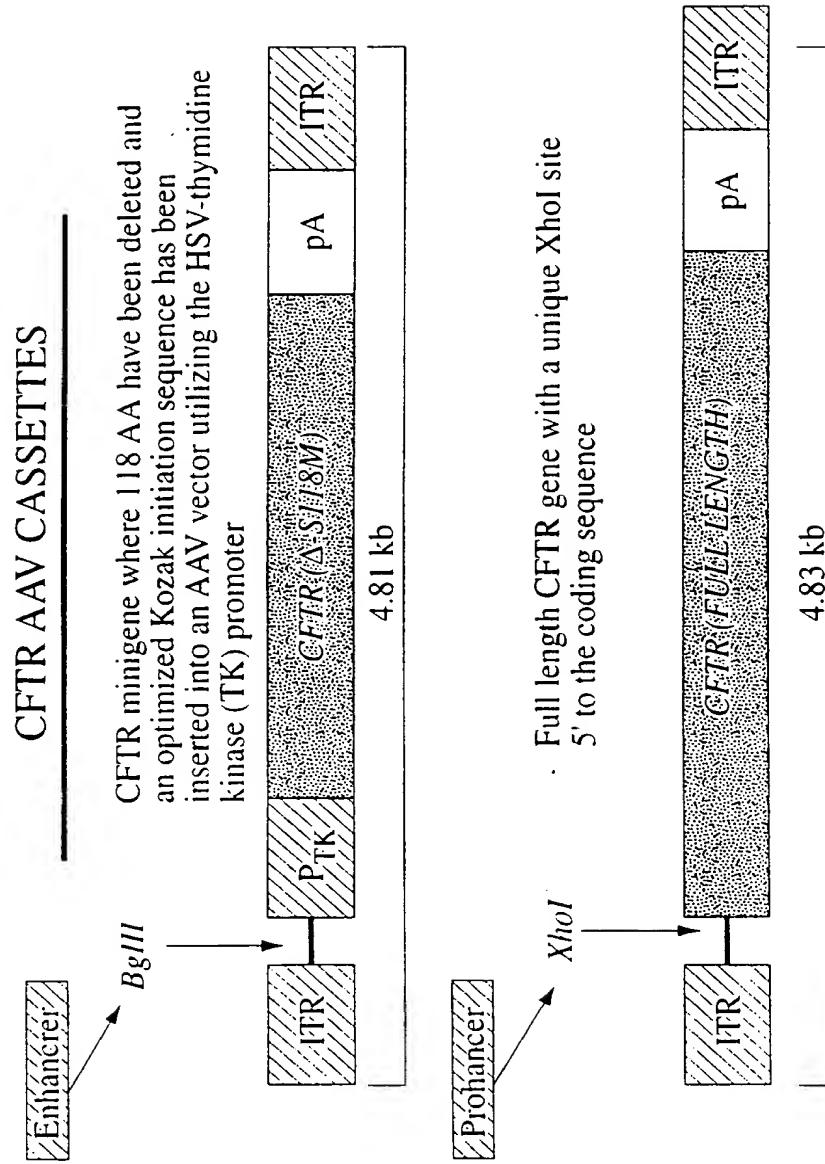


Fig. 9B

**Fig. 10**

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**Fig. 11**

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Cellular and Stimulus-Specific Responses of the MnSOD Gene

CELL TYPES	LPS	IL-1 β	TNF- α	IL-6	PHORBO LESTER	IFN- γ	GLUCOCORTICOI	ENHANCER RESPONSE TO LPS IL-1 AND TNF
Pulmonary Epithelial				-		-	-	X
Pulmonary Microvascular Endothelial				-		-	-	X
Pulmonary Fibroblasts				ND	ND	ND	ND	X
Pulmonary Artery Endothelial				-	ND	-	-	X
Small Intestinal Epithelial				-	ND	-	-	X
Small Intestinal Smooth Muscle				-	ND	-	-	ND
Myenteric Neurons				ND	ND	ND	ND	ND
Hepatocytes	-	-	-		ND	ND		ND
Hepatoma	-	-	-		ND	ND		ND
Glomerular Epithelial				ND		-		ND
Mesangial				-	ND	-		ND
Primary Neuronal				-	ND	ND		ND
Primary Glial				ND	ND	ND		X

||||| 15-20 Fold Induction ||| 5-10 Fold Induction |||| 75-80% Inhibition ND No Data

Fig. 12